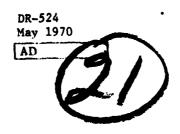
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METEOROLOGICAL DATA REPORT

AF03702 HONEST JOHN
MISSILE NO. 620, ROUND NO. 602 AML
(6 May 1970)

BY

METEOROLOGICAL SUPPORT TECHNICAL AREA

ATMOSPHERIC SCIENCES OFFICE WHITE SANDS MISSILE RANGE, NEW MEXICO

ECOM

UNITED STATES ARMY ELECTRONICS COMMAND



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### METEOROLOGICAL DATA REPORT

AF03702 HONEST JOHN
MISSILE NO. 620, ROUND NO. 602 AML
(6 May 1970)

By

Meteorological Support Technical Area

DR-524

May 1970

DA Task 1T665702D127-02

ATMOSPHERIC SCIENCES OFFICE WHITE SANDS MISSILE RANGE, NEW MEXICO

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### ABSTRACT

Meteorological data gathered for the launching of AF03702 Honest John, Missile Number 620, Round Number 602 AML, are presented in tabular form.

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### INTRODUCTION

AF03702 Honest John, Missile Number 620, Round Number 602 AML, was launched from CP-7, White Sands Missile Range (WSMR), New Mexico, at 0715 MDT, 6 May 1970. The scheduled launch time was 0715 MDT.

### DISCUSSION

Meteorological data were recorded and reduced by the Meteorological Support Technical Area, Atmospheric Sciences Office (ASO), WSMR, New Mexico. The data are presented in the following tabulations.

ELEVATION	4,840	FEET/MSL
PRESSURE	854.6	MBS
TEMPERATURE	11.4	*c
RELATIVE HUMIDITY	41	z
DEW POINT	-1.4	•c
DENSITY	1,047	GM/M <sup>3</sup>

TABLE I. SURFACE OBSERVATIONS TAKEN AT 0715 MDT/6 MAY 1970, AT CP-7.

### INTRODUCTION

AF03702 Honest John, Missile Number 620, Round Number 602 AML, was launched from CP-7, White Sands Missile Range (WSMR), New Mexico, at 0715 MDT, 6 May 1970. The scheduled launch time was 0715 MDT.

### DISCUSSION

Meteorological data were recorded and reduced by the Meteorological Support Technical Area, Atmospheric Sciences Office (ASO), WSMR, New Mexico. The data are presented in the following tabulations.

BURNATION		
PRESSURE	859.0	MBS
TEMPERATURE	16.7	*c
RELATIVE HUMIDTY	30.0	Z
DEW POINT	-1,1	*c
DENSITY		GM/M <sup>3</sup>

TABLE II. SURFACE OBSERVATIONS TAKEN AT 0730 MDT/ 6 MAY 1970, AT AFSWC TGT #1.

HEIGHT (Feet)	DIRECTION (Degrees)	SPRED (MPH)
SUR	171	7.0
100	156	5.0
200	136	4.5
300	125	4.5
400	132	5.5
500	. 155	7.0
600	163	9.5
700	166	10.0
800	171	12.0
900	175	13.0
1000	180	14.5
1100	176	16.0
1200	173	17.0
1300	169	19.5
1400	169	21.0
1500	167	23.0

HEIGHT (Feet)	DIRECTION (Degrees)	SPEED (MPE)
1600	169	25.5
1700	168	27.5
1800	169	30.5
1900	. 171	34.0
2000	168	37.0
2100	167	37.0
2200	167	40.0
2300	167	40.0
2400	166	39.0
2500	166	37.0
2600	167	38.5
2700	167	38.5
2800	169	36.0
2900	170	36.5
3000	171	37.0

TABLE III. PILOT-RALLOGN-MEASURED WIND DATA, RELEASE NO. 1
RELEASED FROM CP-7, AT 0714:30 MDT/6 MAY 1970
AF03702 HONEST JOHN, MISSILE NO. 620, ROUND NO. 602 AML

### PIBAL RELEASE POINT WETH COORDINATES:

**X -** 406,122.94

Y = 693,918.11

2 - 4,844.64

APPROXIMATELY: ONE TENTH (1/10) MILE NORTH OF LAUNCHER

NOTE: WIND DIRECTION DATA ARE REFERENCED 167.0

HEIGHT (Feet)	DIRECTION (Degrees)	SPEED (MPH)
SUR	118	4.0
500	053	8.0
1000	017	9.0
1500	010	11.0
2000	005	11.0
2500	007	14.0
3000	007	16.0
3500	007	20.0
4000	008	20.0
4500	011	21.0
5000	010	21.0
5500	017	19.0
6000	030	16.0
6500	031	15.0
7000	031	16.0
7500	038	12.0
8000	038	15.0

TABLE IV. PILOT-BALLOON-MEASURED WIND DATA, RELEASE NO. 1
RELEASED FROM CP-17, AT 0645 MDT/6 MAY 1970
AF03702 HONEST JOHN, MISSILE NO. 620, ROUND NO. 602 AML

PIBAL RELEASE POINT WSTM COORDINATES:

 $\vec{x} = 413,576.24$   $\vec{y} = 665,015.33$   $\vec{z} = 4,746.53$ 

APPROXIMATELY: 5 MILES SOUTH OF LAUNCHER

NOTE: WIND DIRECTION DATA ARE REFERENCED 167.0

HEIGHT (Fast)	DIRECTION (Degrees)	SPEED (MPH)		HRIGHT (Feet)	DIRECTION (Degrees)	SPEED ()CPH)
SUR	CALM	0.0	1	2100	170	18.0
100	180	2.0		2200	170	18.0
200	180	4.0	1 1	2300	170	18.0
300	180	5.0		2400	170	19.0
400	180	6.0		2500	170	19.0
500	180	8.0		2600	170	19.0
600	180	10.0		2700	170	19.0
700	180	11.0		2800	175	19.0
800	175	11.0		2900	180	19.0
900	175	10.0	}	3000	185	19.0
1000	175	10.0	i 1	3100		
1100	170	10.0		3200	1	
1200	170	10.0	1	3300		
1300	165	11.0	ļ	3400		
1400	165	13.0	ļ	3500	200	22.0
1500	165	15.0	- 1	3600		
1600	165	17.0	-	3700		
1700	170	18.0	1	3800	-	
1800	170	18.0		3900	l l	•
1900	170	18.0	Ì	4000	200	23.0
2000	170	18.0	1	4100		
}	}	1	}			
ł	}	ļ	İ			
j	}		}			}
	į	į				}
į		ĺ	1	i	•	ı

TABLE V. PILOT-BALLOON-MEASURED WIND DATA, RELEASE NO. 38 RELEASED FROM AFSWC TGT #1, AT 0730 MDT/6 MAY 1970 AF03702 HONEST JOHN, MISSILE NO. 620, ROUND NO. 602 AML

### PIBAL RELEASE POINT WETM COORDINATES:

X = 424,568.33 Y = 638,753.98

EL - 4,694.33 FT.

APPROXIMATELY: 5 MILES SOUTHEAST OF LAUNCHER

NOTE: WIND DIRECTION DATA ARE REFERENCED 360° TRUE NORTH.

(MAC)	DINGCTION (Degrees)	HEIGHT (Feet)	SPRED (MPH)	DIRECTION (Degrees)	HRIGHT (Fact)
		6600	i		4200
		6700	]		4300
		6800	]		4400
		6900	26.0	195	4500
30.0	190	7000			4600
		7100	·		4700
		7200	· ]	·	4800
		7300			4900
	1	7400	27.0	190	5000
36.0	195	7500			5100
	·	. 7600	·		5200
		7700	· i		5300
		7800			5400
	į į	7900	17.0	195	5500
37.0	195	8000			5600
		8100			5700
;		8200	· ,	ļ	5800
		8300	}	]	5900
		8400	27.Ò	200	6000
		8500			6100
		8600			6200
		8700			6300
		8800		)	6400
		8900	29.0	200	6500

TABLE V. (CONT)

NOTE: WIND DIRECTION DATA ARE REFERENCED 360° TRUE NORTH.

WSTM SITE CCORCINATES 403783.00 FEET F 701463.00 FEET N

SIGNIFICANT LEVEL CATA 1756C46224 Stallica

STATION ALTITUDE ACAD.CO FEET MSE F MAY TO 0345 PRS MDT ASCENSION NO. 524

### TABLE VI

PRESSURE	<b>CECMETRIC</b>	TEMPE	RATLR	EL.
	11116	I F	DENFLIN	PFRCFAT
MILL IBARS	SL FEE	DEGREES	CENTIGRADE	
	,	,	,	
-	•	:	•	•
,,,	, 50 to	٠	<b>(</b> (1)	(F)
£(1.0	£ 645. E	16.0	-4-6	2 4 6
9	1:7.	, ,		·
4	200	:	•	•
• • •	• 1 · 1	•	ů	ċ
0.17	£41.	u -	ď	_

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E COORDINATES 183.00 FEET E 103.00 FEET N	INDEX OF REFRACTION	1.000257	1.000243	1.000239	1.000235	1.000232	1.000228	1.000224	1.000220	1.000216	1.000213	1.000209	1.000206		•00019	1.000196	1.000193
WSTM SITE CC 403783 701403	CATA SPEED N KNOTS	0.0	4	9.1	13.3	17.6	19.7	20.4	21.6	23.9	24.8	22.8					
	WIND CA CIRECTION DEGREES(TN)	955.6	318.5	281.4	244.4	207.3	193.9	196.6	199.3	201.6	204.0	206.6					
4 + 4 0 0 7	SPEED OF SCUND KNCTS	656.5	64.	7-599	663.0	661.9	660.5	659.2	658.1	657.2	656.1	654.4	652.7	651.0	4	9-149	645.8
UPPER AIR CAT 1260040224 STALLICN TABLE VII	DENSITY GM/CUBIC METER	1043.5	598.7	583.0	9.195	953.7	940.4	927.3	913.5	9.568				851.4		•	816.1
-	REL.HUM. PERCENT	61.C	23.2	61 61 61	23.5	24.2	24.6	24.5	25.3	25.7	26.2	27.0	27.8	28.6	25.3	30.1	36.9
T m SL	FRATURE DEWPCINT CENTIGRADE	-2.2	( (C)	-4.2	-4.5	-5.1	5.41	-6.7	-1-	-1.1	-6.3	-6.2	- 10-1	-11.0	-11.9	-12.6	-13.8
10.00 FEE	TEMPE AIR DEGREES C	10.5	17.4	16.8	16.2	15.2	14.1	12.5	12.C	11.2	10.3	6 <b>•</b> 8	7.4	<b>6.</b> C	4.0	3.1	1.6
T ITUDE 454 No. 224	PRESSURE MILLIBARS	851.5	(A)	619.7	605.2	190.E	7.971	762.E	749.1	735.5	722.2	708.5	€95.€	683.0	€70.5	658.1	646.0
STATICH ALTITUDE 4540.00 FEE 6 May 7c 0345 PRS Accension No. 224	GECAFTRIC ALTITLOE PSL FEET	6.040.0	6,600.0	60000	6.00.0	7CC0.0	7500.0	FCC0.0	8.00.0	0.0005	0.0025	10000.0	10.000.0	110000	11500.0	12000.0	12500.0

• ·

. 8

TABLE VIII

Z .

WSTM SITE CCORCINATES 402783.00 FEET E 701403.00 FEET N

## STATICN ALTITUDE 4940.CO FEFT PSL 6 PAY 7C 0345 FRS MDT ASCFRSICA NG. 224

PRESSURE	PRESSURE GEOPCTENTIAL	TEP	PERATURE	PEL.HUM.		-
WILL IBARS	FEFT	AIR Degrees	AIR DEWPCINT Degrees centigrade	FERCENT	CIPECTION CEGREES(TN)	SPEE
E50.		11.6	-2.1	00 00	356.4	4.0
80C.0	6678.	15.9	-4.6	24.	231.0	14.9
150.0		12.1	-7.2	25.	199.1	21.4
1000		7.5	3.6-	28.		
0.039		2.1	-13.4	31.		

STATICN ALTITUDE 4940.00 FEET MSL 6 PAY 7C 0645 FRS 1877 ASCEPSICN NG. 225	18.	
TTUGE 4940.00	FEET E	
T ITUDE	4940.00	
	TITUGE	

# SIGNIFICANT LEVEL DATA

1260040225 STALL ICK

WSTM SITE COORDINATES 402783.00 FEET E 701403.00 FEET N

## TABLE IX

FSSURE	RESSURE GEONETRIC	TERP	TEMPERATURE	REL.HUY.
	ALTITUDE	AIR	AIR DEWPCINT	PERCENT
LL JOARS	MSL FEET	DEGREES	DEGREES CENTIGRADE	

0.00	SECMETRIC ALTITUDE	TEMPERAT		PERCENT
4.05.22	MSL FEE	REES CEN	9	
64466666666666666666666666666666666666	250	ÿ	(E)	ö
44640000000000000000000000000000000000	3	• 1	C	
644696 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5	3.6		5
64469666666666666666666666666666666666	5	د-،	-	
66846666666666666666666666666666666666	725	1	W)	-
64666 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	664	£.8	9	E
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	659	£•5	_	
11	731	E. 7	0	.9
######################################	109	17.6 -	-	6
400004 60044000 60044000 61044000 610014000 610014000 610014000 61001400 61001	247	24.8	6	•
64641 66 66 66 66 66 66 66 66 66 66 66 66 66	404	25.6	(1)	6
######################################	494	26.8	m	6
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	586	27.5	4	8
625226 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	£ £ E	35.6	'n	•
40000000000000000000000000000000000000	C257.	35.4	w)	-
	1776.	3.0	\$	6
	6203.	4.		
	-1575	€2.		
	1054.	63.		
	508	63		
	. IL 32	64.		
44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	686	+		
100 100 100 100 100 100 100 100 100 100	728			
66.66.66.66.66.66.66.66.66.66.66.66.66.	515	62.		
6652.5 1573.0 6735.0 1616.4 1616.4 161.5 161.5	240	63		
7573.C - 6.0725.C - 6.1616.4 - 6.3510.5 - 6.5	533	64.		
9739.6 - 6 1616.4 - 6 3516.5 - 6	757	W		
161 351	613			
351	161	-61.1		
	150	- (1.1		

SIGNIFICAN	12606
	F F F T
	JU 0757

STATICA ALTITUCE 4940.00 FEET MSL 6 MAY 7C 0645 FRS MDT ASCENSICA NC. 225

IGNIFICANT LEVFL CATA 1260640225 Stallica

WSTM SITE CCORCINATES 402763.00 FEET F 701403.00 FEET N

TABLE IX (Cont)

REL.FUF.	PERCENT	
TEPPERATURE	DENFLINT	S CENTIGRADE
TEM	AIR	DEGREE
GEUMETRIC	ALTITUDE	PSL FEET
PRESSURE		MILL IBARS

£ 6.	41	-56.1	56.	47.	42.	4.1	€5€	36.	3 &	34.	36	27.
£750.	2121.	7.236.4	ç41¢.	1786.	£ 501.	7588.	9551.	1255.	2642.	£708.	£3C6.	6787
•	5	37.0	5	÷.	_	0	بد	-	÷	4	.;	J

FEET #SL	0645 FR S NOT	
4940-00	0645	224
STATICH ALTITUDE	. )(	•
STATICA	6 111	ACCENCICA NO.

## UPPER AIR CATA 1260040225 STALLION

WSTM SITE COORDINATES 403783.00 FEET E 701403.00 FEET N

	INDEX OF REFRACT
	SPEED KNOTS
	MIND CATA CIRECTION SPEED DEGREES(TN) KNOTS
	SPEED OF SGUND KNOTS
TABLE X	PERCENT GM/CUBIC
	REL.HUM. PERCENT
	TEMPERATURE AIR DEWPCINT EGREES CENTIGRADE
	GECPETRIC PRESSURE ALTITUDE MSL FEET MILLIBARS (
	GECPETRIC ALTITUDE PSL FEET I

INDEX OF	REFRACT ION	1.00025	1.00025	1.00024	1.00024	1.00023	1.00023	1.00022	-	.00022	.00021	.00021	.00021	.00020	20	.00020	.00019	.00019	1.000192	.00018	.00018	.00018	00018	.00017	.00017	.00016	.00016	.00015	.00015	.00015	•00015
ATA Speed	NOTS	0-9	6.3XX	8.7XX	$\overline{}$	(F)	•	∞	20.4XX	2	•	4	4	'n	_	_	~	1:	=	_	2	E.	+	ć.		0	6	Ļ	<b>4</b> 7	•	<b>m</b>
MIND C IRECTION	DEGREES (TN)	50	47	22	97	73	48	24	199.6	16	66	56	66	66	97	95	93	92	9	92	95	8	90	13	18	23	26	59	32	35	37
SPEED OF	KNOTS	3.2	56	79	62	61	61	9	659.7	58	57.1	R.	45	5	50	49	47	46	4	4	41	39	38	36	41	34	(L)	3,5	7	30	28
DENSITY &	METER	045.		. 600			•		925.4	•								•													•
REL.HUM. PERCENT		ö	ů	÷	-	÷	÷.		6.5	÷	,-	ů	ပံ	,,	61		÷	ů	Ů:	-	.,	4		,	¥	ů	÷	÷	ů	ċ	ij
ERATURE Devpcint	CENTIGRADE		1.3°5		4-5-	-4.1	. <del>4</del> .	w,	-4.2	-6.5		-1.4	•		÷	u.	-10.3	0		14	401	*	- 14.8	÷	O.	-63-3	****	0	Ç	6-52-	S
TERP A IR	DEGREES	•	;	4	5	50	+	+	13.3	.,	=	Ġ	•	•	•		•				•	•	•	•	٠	•	•	•	÷	•	'n
FRSSURE	PILLIBARS	•							762.3			•			•								•	•		•					•
ECPETRIC LTITUDE	St FFET	•	•		•	•	•		F COO . 0				.0333	C £00.	•	1500.		•	•	3 £ CO .	<b>•</b> 000	• 6CO •	•	£ \$00.	16000.0	•	•	7500.	8CC0.		.0005

XX WINC CATA MAY BE INVALIC CLE 10 MISSING FAW AZIMUTH AND ELEVATION ANGLES.

TABLE X   CORD.	STATICA A 6 PAY 7 BSCEPSICA	ALTITUGE 4940.CC 70 0645 P P NC. 225	T 0.	ET MSL MOT		LEPER AIR ( 126004022 STALLICA	C		MSTM SIT	E CCORCINATES 783.00 FEET E 403.00 FEET N
						TABLE X (C	ont)			
	ECAETA	FRESSUR	TEME	ERATUR	EL.HUM	ENSITY	PEED O			INDEX
	11110		~	DENPCI	ERCE	M/CUEIC	SCE	IRE	334	0.F
91.2         -13.6         -30.4         24.1         240.2         22.8         1.00014           91.0         -15.0         -30.4         25.6         649.8         624.3         245.1         23.0         1.00014           100.0         -472.1         -15.0         -31.0         25.6         649.8         624.3         246.7         23.2         1.00014           100.0         -65.7         -11.6         -21.6         25.6         649.8         624.3         246.7         23.2         1.00014           100.0         -444.1         -21.2         -21.6         25.6         649.8         246.7         247.0         23.2         1.00014           200.0         -444.1         -21.2         -21.6         40.9         613.7         245.1         24.2         1.00014           200.0         -44.1         -21.2         40.1         25.6         603.0         617.4         245.1         24.0         1.00014           200.0         -44.1         -21.6         46.1         575.1         124.2         24.1         1.00014           200.0         -44.1         -21.6         46.1         575.1         11.0         22.2         1.00014	33 TS	4	EGR E E	ENTIGRAD		RETER	KNCTS	EGREESITN	NC.	EFRACT 10
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	.0035	491.	73	<u>ي</u>	4	5.9	27	40	~	.00015
CCCO.C   CCC.C   CCC	.0000	481.	15.	30	41	49.	25	43.	<b>(1)</b>	<b>•</b> 00014
10000.0   1000	0.00	.72.	16.	36	-	39.	24	45.	•	.00014
10001   1000	1000	. 297	17.	41	ŗ	30.	2,5	46.	(13) •	.00014
2500.0         444.1         -20.2         -31.6         36.1         611.9         612.2         246.8         23.9         1,00013           2500.0         446.1         -20.2         -21.6         36.1         36.2         242.8         242.8         23.9         1,00013           2500.0         46.2         46.1         36.2         46.1         242.8         24.8         28.9         1,00013           2500.0         417.6         -24.8         -27.6         46.1         37.6         46.1         24.8         24.8         1,00013           4000.0         400.4         -26.2         -27.6         16.2         24.8         241.1         36.9         1,00013           4000.0         400.4         -27.6         16.7         54.2         24.8         1,00013           4000.0         400.4         26.8         16.7         24.2         36.9         1,00013           5000.0         26.6         -27.2         -46.6         18.6         34.8         610.7         245.1         36.9         1,00013           500.0         26.0         26.0         26.0         24.8         24.9         1,00013         1,00013           500.0	1500	450	18.	<u></u>	"	20.	21	47.	(L)	.00014
25CO.C         435.1         -21.5         -12.6         42.5         603.0         617.4         245.1         25.9         1.00013           26CO.C         472.2         46.1         25.6         47.1         24.2         24.2         28.9         1.00013           4CO.C         406.5         -25.6         -12.6         46.1         575.1         612.0         24.2         28.9         1.00013           4CO.C         406.5         -26.2         -31.6         32.6         1.00013         24.2         24.1         1.00013           4CO.C         406.4         -26.2         -46.2         16.4         24.1         24.1         24.1         1.00013           4CO.C         406.4         16.4         24.2         16.4         24.2         1.00013           5CO.C         26.2         -4.6         16.4         24.3         610.1         24.2         24.2         1.00013           5CO.C         27.5         -44.6         16.4         24.3         610.1         24.4         1.00012           5CO.C         27.5         -44.6         24.6         24.6         24.6         1.00012           5CO.C         27.6         -44.6         24.6	2 C00	444	20.	<u>;;</u>	Ą	11.	15	46.	•	.00013
35000         426.2         42.6         <	2500	625	21.	***	ů.	03.	17	<b>4</b> 50.	'n	.00013
2500.C         417.5         -24.8         -25.2         46.1         585.6         613.7         240.2         22.4         1.00013           4C00.C         406.c         -25.2         46.1         585.6         611.3         240.1         35.1         1.00013           5C00.C         406.c         -25.2         -45.2         18.9         543.8         610.7         245.2         35.8         1.00013           5C00.C         36.2         -27.2         18.4         543.8         610.7         245.2         36.8         1.00013           5C00.C         36.2         -27.2         44.4         27.8         517.0         606.5         246.9         35.8         1.00013           5C00.C         36.2         -27.2         -44.4         27.8         517.0         606.5         246.9         35.8         1.00013           7C00.C         36.0         36.0         36.0         36.0         36.4         36.4         36.8         1.00013           7C00.C         36.0         36.0         36.0         36.0         36.0         36.0         36.6         36.0         36.6         36.0         36.6         36.0         36.6         36.6         36.6         <	3 ( 0 0	.26.	23.	:2:	~	94.	5	42.		.00013
4600.0 408.5 -28.5 -28.5 -23.2 48.7 518.1 612.8 241.1 35.1 1.00012 4500.0 400.4 -26.2 -27.6 -27.6 12.0 54.5 612.0 242.2 36.5 1.00012 552.0 -27.6 -27.6 -27.6 18.4 54.5 610.1 243.7 25.2 1.00012 6500.0 275.6 -27.6 -44.6 18.6 533.7 609.9 246.4 35.5 1.00012 6500.0 275.6 -27.5 -44.6 18.6 533.7 609.9 246.4 35.5 1.00012 6500.0 275.6 -27.5 -44.6 18.8 517.0 609.9 246.9 35.8 1.00011 6500.0 244.5 -27.5 -44.6 24.8 57.7 2 500.8 604.8 246.9 35.8 1.00011 6500.0 237.5 -27.5 -44.6 20.7 500.8 603.2 246.9 35.8 1.00011 6500.0 237.5 -27.5 -44.6 20.7 500.8 603.2 246.9 35.8 1.00011 6500.0 237.5 -27.5 -44.6 20.7 46.2 591.6 250.3 38.2 1.00011 6500.0 237.5 -27.5 -46.6 46.8 50.7 46.2 591.6 250.3 38.2 1.00011 6500.0 222.1 -27.2 -45.7 47.2 598.1 250.3 38.2 1.00011 6500.0 24.3 -44.3 -45.3 46.4 446.2 591.6 251.1 40.4 1.00011 6500.0 24.3 -44.3 -25.6 -46.4 446.2 591.6 251.3 40.6 1.00011 6500.0 24.3 -44.3 -25.6 -46.4 446.2 591.6 251.3 44.8 1.00011 6500.0 24.3 -44.3 -25.6 -46.4 446.2 591.6 251.3 44.8 1.00011 6500.0 252.7 -44.9 -25.6 46.4 45.8 45.8 1.00011 6500.0 252.7 -44.9 -25.6 46.4 45.8 45.8 1.00011 6500.0 252.7 -44.9 -25.6 46.4 446.2 591.6 251.3 44.8 1.00011 6500.0 252.7 -44.9 -25.6 46.4 446.2 591.6 251.3 44.8 1.00011 6500.0 24.5 -44.9 -25.6 46.4 446.2 591.6 251.3 44.8 1.00011 6500.0 252.5 -44.9 -25.6 46.4 44.8 42.8 1.00011 6500.0 252.5 -44.8 45.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 40.8 24.4 44.8 1.00011 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 252.5 -44.8 45.8 1.0041 6500.0 250.0 251.2 251.3 44.8 1.0041 6500.0 250.0 251.2 251.3 44.8 1.0041 6500.0 250.0 251.2 251.3 44.8 1.0041 6500.0 250.0 251.3 44.8 1.0041 6500.0 250.0 251.3 44.8 1.0041 6500.0 250.0 251.3 44.4	2 €00	417.	24.	135.2	¥	8.	Ē	40.	N	.00013
4500.0         242.2         242.4         612.0         242.2         36.5         1.00012           5500.0         292.0         -26.8         -44.6         18.4         511.1         243.7         25.9         1.00012           5000.0         375.6         -27.2         -44.6         18.6         533.7         609.2         246.4         35.9         1.00012           6000.0         375.6         -27.2         -44.6         21.8         51.0         606.5         246.9         35.9         1.00012           7500.0         247.6         -27.2         -44.6         24.8         517.0         606.5         246.9         35.9         1.00011           7500.0         247.6         -27.2         -44.6         27.7         246.9         35.9         1.00011           7500.0         247.6         246.9         246.9         246.9         35.9         1.00011           7500.0         247.6         27.7         246.9         246.9         35.9         1.00011           7500.0         247.6         27.7         246.9         246.9         246.9         35.9         1.00011           7500.0         247.6         246.9         246.9         2	4000	406.	25.	171 171	¥	75.	7	41.	W	.00013
550.0.         252.0.         -25.2.         -45.2.         18.9         554.5         611.1         243.7         253.7         100012           550.0.         362.5         -57.5         -44.6         18.4         555.3         610.7         245.4         35.8         1.00012           650.0.         267.6         -27.5         -44.6         21.8         517.0         608.2         246.4         35.8         1.00012           750.0         267.6         -27.5         -44.6         27.8         60.0         246.9         35.8         1.00011           750.0         267.6         -27.5         -44.6         27.9         246.9         35.8         1.00011           750.0         267.6         27.7         246.9         246.9         35.8         1.00011           750.0         27.6         -27.5         -44.6         24.7         36.8         1.00011           860.0         27.6         -27.5         -44.6         27.7         246.7         36.8         1.00011           860.0         27.7         27.7         27.7         27.7         27.4         1.00011           860.0         27.7         27.7         27.7         27.4	4500	400	26.	-	G.	64.	12	42.	¥	.00012
EFON.0         282.5         -27.2         -44.2         18.4         543.8         610.7         246.4         35.8         1.00012           ECON.0         275.6         -27.5         -44.6         18.6         525.3         608.2         246.9         35.8         1.00012           7600.0         267.6         -25.2         -44.4         24.8         51.8         525.3         608.2         246.9         35.8         1.00011           7500.0         266.6         -27.5         -44.4         24.8         51.7         506.8         604.8         246.7         34.6         1.00011           8600.0         256.4         -27.2         -44.8         20.7         506.8         604.8         246.7         35.8         1.00011           8600.0         234.6         -27.2         -24.8         20.7         495.9         601.8         246.7         36.8         1.00011           8600.0         234.6         -25.7         45.9         467.8         50.9         37.0         1.00011           8600.0         234.6         -45.6         467.8         596.4         250.9         39.0         1.00011           8600.0         230.2         -46.9         5	5000	352	26.	4.1	æ	54.	11	43.	W	.00012
6000.0         275.6         -27.5         -44.6         16.6         533.7         609.9         246.4         35.5         1.00011           6500.0         267.6         -27.5         -44.4         21.8         525.3         608.2         246.9         35.2         1.00011           7500.0         256.4         -21.5         -44.4         24.5         27.7         246.9         246.9         35.8         1.00011           7500.0         244.5         -21.5         -44.6         20.7         465.0         246.7         246.6         35.8         1.00011           8500.0         237.2         -44.6         20.7         465.0         246.7         246.6         1.00011           8500.0         237.2         -45.2         23.7         465.0         246.7         246.6         1.00011           8500.0         237.2         23.6         477.2         598.1         248.4         1.00011           8500.0         230.2         45.6         465.9         596.4         250.9         39.0         1.00011           8500.0         230.2         46.9         46.9         24.4         250.9         39.0         1.00011           850.0         24.	6.500	383	27.	44.	w	43.	10	45.	S	•00012
££CO.C         267.E         -25.2         -44.4         21.8         525.3         608.2         246.9         35.2         1.00011           7COO.C         260.C         -3C.E         -44.4         24.8         21.7         606.5         247.2         34.6         1.00011           7500.0         256.4         -22.2         -44.8         20.7         500.8         604.8         246.9         35.8         1.00011           8500.0         244.5         -22.2         -22.7         500.8         604.8         246.7         36.8         1.00011           8500.0         230.2         -24.6         -45.2         33.7         465.9         601.8         246.7         36.8         1.00011           9500.0         230.2         -45.2         477.2         598.1         250.3         38.2         1.00011           9500.0         230.2         -45.7         41.8         465.9         596.4         250.9         39.0         1.00011           9500.0         205.2         -45.7         41.8         465.9         596.4         250.9         39.0         1.00011           9500.0         205.3         -45.6         46.9         50.1         40.4         1	6000	275.	27.	. 77	w	(D)	9.	46.	Ľ١	.00012
7000.0 252.4 -21.9 -44.4 24.8 517.0 606.5 247.2 24.6 1.00011	6500	367.	29.	77	~	25.	08.	46.	R)	.00011
7500.0 252.4 -21.5 -44.6 20.7 508.8 604.8 246.9 35.8 1.00011 8CCO.0 244.5 -22.2 -24.6 20.7 50C.8 603.2 246.7 36.6 1.00011 8CCO.0 244.5 -22.2 23.7 462.9 601.5 246.7 36.6 1.00011 8CCO.0 237.5 -24.6 -45.2 23.7 465.1 599.8 249.4 37.0 1.00010	7000	260.	€05	4.4	4	17.	90	47.	4	.00011
8fCO.0 244.9 -22.2 -44.8 20.7 500.8 603.2 246.7 36.8 1.00011   E500.0 237.5 -24.6 -45.2 22.7 492.9 601.5 248.1 27.0 1.00011   9c00.0 230.2 -25.9 -45.5 21.2 485.1 599.8 249.4 27.0 1.00010   9c00.0 220.1 -27.2 -45.5 47.2 598.1 250.3 38.2 1.00010   1500.0 216.1 -26.6 -45.7 41.6 465.5 596.4 250.9 39.0 1.00010   1500.0 202.3 -41.1 -42.2 -46.4 50.7 461.8 594.7 251.0 39.8 1.00010   1500.0 202.3 -41.1 -42.2 -46.4 46.2 591.6 251.3 40.4 1.00010   1500.0 282.4 -44.9 -52.6 46.6** 438.6 590.0 251.3 40.6 1.00010   276.0 -42.6 -50.6 46.6** 438.6 590.0 251.3 40.4 1.00010   276.0 -46.2 -52.5 41.0** 423.6 586.6 251.3 40.4 1.00009   276.0 -46.2 -52.5 -52.5 41.0** 40.5 251.3 40.4 1.00009   276.0 -46.2 -52.5 41.0** 40.5 251.3 40.6 1.00009   276.0 -46.2 -46.9 -52.5 41.0** 40.5 251.3 40.6 1.00009   276.0 -46.2 -46.8 40.6 24.4 40.5 251.3 44.1 1.00009   276.0 -46.2 -46.8 40.6 24.4 40.5 251.3 44.1 1.00009   276.0 -46.2 -46.8 40.6 24.4 40.5 251.4 44.1 1.00009   276.0 -46.2 -46.8 40.6 24.4 40.5 251.4 44.1 1.00009   276.0 -46.2 -46.8 40.6 24.4 40.6 2 251.4 44.1 1.00009   276.0 -46.2 -46.8 -40.8 24.4 40.6 2 251.4 44.1 1.00009   276.0 -46.2 -46.8 -40.8 -40.8 24.4 40.8 23.6 251.4 44.1 1.00009   276.0 -46.2 -46.8 -40.8 -40.8 -40.8 1.00009   276.0 -46.2 -46.8 -40.8 -40.8 -40.8 1.00009   276.0 -46.2 -46.8 -40.8 -40.8 -40.8 1.00009   276.0 -46.2 -46.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8 -40.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8 -40.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8 -40.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8 -40.8 -40.8 -40.8 -40.8 -40.8 1.00009   276.0 -40.8	7500	352	21.	4	~	90	04.	46.	S	.00011
E500.0         237.5         -24.6         -45.2         23.7         492.9         601.5         248.1         37.0         1.00010           9C00.0         230.2         -25.3         31.2         485.1         599.8         249.4         37.4         1.00010           9C00.0         222.1         -27.2         -45.5         47.2         598.1         250.3         38.2         1.00010           9C00.0         216.1         -27.2         -45.7         47.6         465.9         596.4         250.9         39.0         1.00010           9C00.0         209.2         -36.4         50.7         461.8         594.7         251.0         39.0         1.00010           16C0.0         205.3         -41.1         -41.7         50.1         466.2         591.6         251.3         40.4         1.00010           16C0.0         295.7         -42.6         46.6         466.2         591.6         251.3         40.4         1.00010           2500.0         282.4         -44.9         -52.9         46.6         591.6         251.3         40.4         1.00010           2500.0         276.0         -46.9         46.6         46.6         591.3         2	8600	344.	4.1 4.1	7.7	0	90	03.	46.	9	.00011
9500.0	<b>8 500</b>	237.	34.	4,0	G1	92.	01.	48.	~	.00011
9500.0       222.1       -27.2       -45.5       477.2       598.1       250.3       38.2       1.00010         CCCC.0       216.1       -26.6       -45.7       47.6       465.5       596.4       250.9       39.0       1.00010         CCCC.0       206.2       -46.4       50.7       461.8       594.7       251.0       39.0       1.00010         1CCC.0       205.3       -41.1       -47.7       50.1       461.8       594.7       251.0       39.8       1.00010         1CCC.0       205.3       -41.1       -47.7       50.1       466.2       591.6       251.3       40.4       1.00010         2CCC.0       285.0       -44.9       -56.4       46.6       591.6       251.3       40.4       1.00010         2CCC.0       285.4       -44.9       -56.9       46.6       48.6       591.3       42.6       1.00019         2CCC.0       285.4       -44.9       -56.9       46.6       48.8       251.3       42.6       1.00019         2CCC.0       265.1       -44.9       -56.9       46.6       288.3       251.3       42.6       1.00019         2CCC.0       265.1       -46.8       46.6 <td>0005</td> <td>130.</td> <td>13.5</td> <td>4,</td> <td><b>!~</b></td> <td>85.</td> <td>96.</td> <td>49.</td> <td>~</td> <td>.00010</td>	0005	130.	13.5	4,	<b>!~</b>	85.	96.	49.	~	.00010
CCCC.C 216.1 -26.6 -45.7 47.6 465.5 596.4 250.9 39.0 1.00010 0500.0 309.2 -35.5 -46.4 50.7 461.8 594.7 251.0 39.8 1.00010 1CCC.C 202.3 -41.1 -47.7 50.1 446.2 591.6 251.1 40.4 1.00010 1500.C 295.7 -42.6 -50.6 46.6** 438.6 590.0 251.3 40.8 1.00010 2000.C 282.4 -44.9 -52.9 41.0** 431.0 588.3 251.3 42.6 1.0009 2000.C 265.7 -46.9 -52.9 416.3 585.0 251.4 44.1 1.00009 2000.C 265.7 -47.6 -60.6 24.4** 409.2 583.3 251.4 45.1 1.00009	0355	:23:	37.	<b>4</b>	"	77.	98.	50.	8	.00010
0500.0 309.2 -35.9 -46.4 50.7 461.8 594.7 251.0 39.8 1.00010 1CCC.C 302.3 -41.1 -47.7 50.1 452.9 592.2 251.1 40.4 1.00010 1500.C 295.7 -42.2 -46.9 46.6 46.6 591.6 251.3 40.8 1.00010 2000.C 282.4 -44.9 -52.9 41.0 431.0 588.3 251.3 42.6 1.00009 3500.C 282.4 -44.9 -52.9 41.0 42.6 586.6 251.3 42.6 1.00009 3500.C 282.4 -46.9 -52.9 416.3 585.0 251.4 44.1 1.00009 3500.C 265.7 -47.5 -57.8 29.5 44.4 409.2 583.3 251.5 47.4 1.00009	0000	316.	36.	4	-	• 59	96.	50.	9	•00010
1CCC.C 202.3 -41.1 -47.7 50.1 452.9 592.2 251.1 40.4 1.00010 15CO.C 295.7 -42.2 -46.5 45.4 446.2 591.6 251.3 40.8 1.00010 20CO.C 289.0 -42.6 -50.6 46.6** 431.0 588.3 251.3 41.6 1.00005 20CO.C 282.4 -44.9 -52.9 41.0** 431.0 588.3 251.3 42.6 1.00009 20CO.C 282.4 -46.9 -52.9 416.3 585.0 251.4 44.1 1.00009 25CO.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009	0050	308	35.	¥	0	61.	94.	51.	P	.00010
15CO.C 295.7 -42.2 -46.9 49.4 446.2 591.6 251.3 40.8 1.00010 20CO.C 289.0 -42.6 -50.6 46.6** 431.0 588.3 251.3 41.6 1.00009 25CO.C 282.4 -44.9 -52.9 41.0** 431.0 588.3 251.3 42.6 1.00009 20CO.C 282.4 -44.9 -55.9 25.5** 423.6 586.6 251.4 44.1 1.00009 25CO.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009 4CCO.C 262.5 -46.8 -60.6 24.4** 409.2 583.3 251.5 47.4 1.00009	1600	305	41.		ö	53	93.	51.	;	.00010
2000.C 282.4 -44.9 -52.9 41.0** 438.6 590.0 251.3 41.6 1.00009 2500.C 282.4 -44.9 -52.9 41.0** 431.0 588.3 251.3 42.6 1.00009 3000.0 276.0 -46.2 -55.3 35.5** 423.6 586.6 251.4 44.1 1.00009 3500.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009	1500	295.	42.	46	ĵ.	46.	91.	51.	6	-00010
2500.C 282.4 -44.9 -52.9 41.0** 431.0 588.3 251.3 42.6 1.00009 2000.0 276.0 -46.2 -55.3 25.5** 423.6 586.6 251.4 44.1 1.00009 2500.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009 4000.C 262.5 -46.8 -60.6 24.4** 409.2 583.3 251.5 47.4 1.00009	2000	682	6.5	9	÷	<b>.</b>	90.	51.		\$0000°
3000.0 276.0 -46.2 -55.3 25.54* 423.6 586.6 251.4 44.1 1.00009 35CO.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009 4CCO.C 262.5 -46.8 -60.6 24.4** 409.2 583.3 251.5 47.4 1.00009	2500	282.	44	"	;		88.	51.	;	50000°
35CO.C 265.7 -47.5 -57.8 29.5** 416.3 585.0 251.4 45.8 1.00009 4CCO.O 262.5 -48.8 -60.6 24.4** 409.2 583.3 251.5 47.4 1.00009	3000.	276.	46.	#1 #1	****	m	86.	51.	•	50000
4CCO.C 262.5 -48.8 -40.6 24.4** 409.2 583.3 251.5 47.4 1.00009	35co.	592	47.	5	9.5		83	51.		60000
	<b>.003</b>	262	46.	60.	4.4	5	83	51.		50000°

\*\* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

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M SITE COORDINATES 403783.00 FEET E 701402.00 FEET N

6 PAY TO 0645 HRS 100T	1260040225 STALL ION	MSTM SITE CO
ANCEPA CE : 20 - 224	TABLE X (Cont)	10 T

GECPETRIC ALTITUDE PSI FFET	PRESSURE	TEMP AIR DEGREES	PERATURE DEMPOINT CENTIGRADE	REL.MUM. Percent	DENSITY GM/CUBIC METER	SPEED OF SCUND KNOTS	MIND CAT DIRECTION DEGREES(TN)	TA SPEEC KNOTS	INDEX OF REFRACTION
ì					6	7	* * * * * * * * * * * * * * * * * * *	4	00000
•	00167			1 50 744	۰	•	•	•	2000
	251.6	-51.4	~	13.3**		5	ท	2	
	245.9	- 52.7	-72.0	7.8**		78	30	÷	1.0000£7
·		-54°C	0	2.34#		7	an.	56.0	1.0000 05
6 500		47	r !			7	30	7.	1.000084
1000		- 56.4				5	51.	9	
	223 .6	-57.6				7	25		.0000
•						2	54.	0	<b>.0000</b>
R 500		-60.0				9	56.	•	-00007
<b>9.</b> 00065	207.9	-61.2				566.9	57.	59.5	_
355c0.0	203 • 0					2	59	8	-00001
0000		-62.8				9	9		-00001
40500.0					•	3	19	-	<b>-00007</b>
41 (60.0		-63.5	`		•	5	53		1.000070
41500.0	182.	_				63	58	6	•0000
42000.0	179	•				9	51	•	•0000€
0.0027	175	4				6	56		.0000
0.03051	170	•				63	54	6	•0000
0.003 : 1		•				3	53	8	
44 CCO .0		-64.4				63	3	÷	90
44500.0	158.	-64.4				562.6	51	m	•0000
0.003:4	154	-64.4				62	47	'n	.00005
45500.0	150	-64.4			•	79	4	m	.00005
4 € 000 • 0	147.	-64.4			•	79	42.	4	-00002
46500.0	143.	-64.4				29	39.	4	-00002
47000.0	140.	-64.7				62	\$0.	ŗ	•0000
47500.0		-65.6				61	241.1	56.2	
48000.0	132.2	- 66 · C			224.0	560.5	242.6	26.0	-00005
4 5 5 CO . C	•	-64.6				4	45.	54.5	•0000
0.00067	126.8	-63.2			•	•	247.1	52.9	1.000047

\*\* AT LEAST CRE ASSUREC RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPCLATION.

•	T ITUCE 4	C FEE		12600402	25		MSTR SIT	E COOR CINATE
SCEPSICA	r NG. 225	0645 FRS MOT			<b>2</b>		101	403.00 FEET N
	ı			TABLE X (Cont)	lont)			
FCAFIRIC	PRESSURE	16.20	AUT-TUR-	DENSITY	SPEED OF	MIND CA	ATA	INDEX
SI FEET	MILLIBARS	CEGREES CENTIGRAD		FTER	KNOTS	CEGREES (TN)	KNOTS	REFRACT ION
95.00	61	61		605	ħ.	-	50.9	.00004
0.0000	120.7	1691		200-1	564.	249.8		00004
0500	-	(1)		5,5	564.		47.9	1.000042
1000	•	₽1 •		90.	564	•	46.8	+00000
1500.	•	6)		86.	564.	251.1	45.1	.0000
2000	cr.	£1.		81.	563	_	•	.00004
00%	9	61		77.	563.	ď	43.1	•0000
30c0.		61		73.	563.	~		£0000°
egec.	-	63.		68.	563		5	£0000°
*0037	•	(4)		64.	563	÷	•	£0000°
45CC.	ė.	62.		60.	563.		•	.0000
6003	•	64.		157.0	563	251.4	21.7	£0000°
. 005 à	17	4		53.	563	6	5	£0000°
0009		64.		49.	562	ċ	-	•00003
6 FCO.	-	64.		46.	562	;	a,	•00000
7000	<b>4</b> 1	41		42.	563	ċ	2	£0000°
7500.	4	62.		37.	56		9	.0000
ecco.	-	62.		34.	565	-	•	.0000
egco.		<b>62.</b>		31.	564		•	-0000
Û	-	**		128.4		243.8	•	.0000
.0035		62.		25.	563	÷	÷	1.000028
.0000	9	64.		22.	562		'n	-0000
OFCO.	-	4		120.0	562	j	+	-00002
1	•	63.		16.	563	5	ż	-00005
.005		61.		12.	996	•	ċ	1.000025
8	÷	£1.		60	567	8	•	-00005
2500		-61.1		20	567.	•	•	-0000
3CC0.	60	£3.		50	567	309.4	•	0000
2500		_		5	567	-		-00002
4CCO.	•	v		. 55	26	353.3	•	.0000

TATICA 6 PAY	ITUDE	4940.00 FEE	ET MSL MD/T	-	UPPER AIR 1 126004023 STALLID	CA1A 25 N		HSTR SIT	E COORDINATES
115447	577 - 7E				TABLE X (C	(Cont)		2	100.00
CPETF	PRESSURE		EPA TURE	REL.HUM.	IIY	SPEED OF	NINO C		INDEX
ALTITUDE PSL FEET	MILLIBARS	A IR Degrees	DEWPCINT Centigrade	ERC	M/CUB	SCUND	DIRECTION DEGREES(TA)	SPEEC	OF REFRACT ION
45CO.	ŗ	60			•	67.	38.	•	-00002
•	57.7	-60.4				8	323.0		8
. 65co.	÷.	•			2	68.	12.	•	•0000
90009	'n				5	68.	90	•	-00003
•	(F)	•			7		0	•	.0000
70c0.	,	•			5	69.	91.	•	.00001
7500.	_	•			61	.59	83.	•	.0000
ECCO.	6	•			ä	69.	69.	•	.0000
85CO.	e.	- 56.7			ç	70.	48.	•	.00001
.0005	-	•			7	70.	26.	•	.0000
S	ę.				*	71.	12.	•	.00001
.0000	•	•			m	711.	16.	•	.0000
£00.	4	5			71.4	571.9	20	3.5	.00001
71000	• • •	-			6	72.	24.	•	.0000
11560.0		÷			<b>;</b>	7:	22.	•	.00001
72600		£6.			ę.	73.	20.	•	.00001
2500.	<b>.</b>	£6.			4	73.	18.	•	.00001
-000 E	•	1.55.7			•	74.	22.	(L)	.00001
0 81 61	<b>.</b>	in.			;	74.	30.	•	.00001
,000		36			ò	5	38.	•	.0000
4500	÷	- 44.			58.6	74.	90	4.8	.0000
£000	u,				-	74.	16.	•	.00001
0055	+	7.			Š	75.	•		.00001
ecco.	4	j			+	76.			.00001
£ 5c0.	• (13	•			2	~	1:	•	.0000
10001	·	•			1.	77.	6	<b>。</b>	.0000
-					ö	78.	6	4	.00001
ECCO.	_	25			48.9	8	63.5	17.9	0001
	•	:			7	ř	-	-	.00001
250000	6	•			•	79	•	<b>(1)</b>	•00001

4540.CC FEET MSL	_
ALTITUTE	2
Z	>

LPPER ATF CATA

E CCORCINATES 783.00 FFET F 403.00 FEFT N		INCEX OF	REFRACT ION	1.000010	1.000010	.00001	00000	00000	00000	00000	00000	•00000	.00000	1.000008	.00000	.00000	1.000001	00000	•00000	1.000007	00000	•	1.000066	•	•00000	•		•	00000	1.000005	00000	00000	1.000005
MSTM SIT 403 701		ATA SPEEC	KNCTS	2	22.3	_	6	æ	÷	4.		(I)	4.	17.5	.,	۲.	Š	6	4.	11.6		•	•	•	•	•	ö	œ.	m	58.1		•	43.2
		WIND C	CEGREES(TN)	70.8	71.9	72.7	73.3	73.8	73.5	73.2	72.8	72.4	71.9	70.0	6.99	63.8	66.5	71.4	76.3	75.7	73.8	7	σ	55	0	65	13	0	N	56.1	O	~	54.5
i ur	ont)	SPEED OF SCUND	KNCTS	60.	581.5	82.	823	84.	84.	85.	ee.	86.	87.	88.	88.	89.	90.	90.	<b>.</b> 05	290.0	90.	51.	92.	93.	94.	96.	98.	-56	98.	-	97.	G	6.865
1260040229 STALLICN	TABLE X (Cont)	DENSITY GM/CLEIC	METER	ιή.		(7)	:	0	3.	å	-	÷	ė.	Š	4.	17	2	_:	<b>:</b>	30.5	6	5	8	-	ę.	•	5	4	4	23.9	67	~	2
		REL.HUM. PERCENI																															
4540.CC FEET MSL 0645 FRS MDT 5		A TURE ENPCIN	α.	•			•		•	•	•	•		•	4			•	•	1.40 m	•	41.	<b>£</b> ].	<b>4</b> 0	•			36.		•		•	•
ITUTE		FRESSURE	MILLIEIRS	e,	28.2	۲.	7.	ę			4	4.	571	•	۲,	i	<b>:</b>	<b>:</b>	•	•	٠,	5	æ	8	æ	7	-	÷	6.	ę.	<b>"</b>	ď,	'n
STITICH LLT E PRY 7C ASCEPSICA NO		GFCPF1A1C ALTITUGE	SI FEET	در د.	eccco.o	£00.	.077	£00.	.003	£00.	ccc.	£00.	.000	500	.033	£00.	.003	500	.00	.00	•000	90	933	£00.	0000	£00.	000	£00.	93	£00.	000	£00-	.00

UPPER AIR CATA	1260040225	STALLICA
	STATICN ALTITUDE 4540.00 FEET MEL	6 P.LY 7C 0645 PR: MDT AS(ENSIGN NG. 225

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MSTM SITE COORDINATES 402782.00 FEET E 701402.00 FEET N

	INDEX		REFRACT ION	1.000005	1.000005	1.000005	1.000005	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.000003	1.000003	1.000003	1.000003	1.000002	1.000002
	[ DTA	SPEEC	KNOTS	17.4	00 •		5.2		40.0	$\boldsymbol{\vdash}$	58.6	œ	16.7	10.1	10.9	11.7		13.1	•						
	WIND CA	CIRECTICA	CEGREES(TA)	51.1	50.0	50.0	6.64	15.0	320.7	266.3	263.8	297.2	330.6	346.5	348.1	4	352.2	S.	358.9						
ont)	SPEED OF	SCUND	KNOTS	599.6	60003	601.1	8.009	2.665	598.6	9.156	556.5	595.9	596.0	596.1	556.2	596.3	596.4	596.5	596.6	596.7	596.8	6.965	557.0	597.1	597.2
TABLE X (Cont)	ENSITY	GM/CUBIC	METER	21.7	21.2	ö	20.2	5	5	ů.	æ	18.4	18.0	-	17.2	ė.	ę.	ė.	41	15.4	15.1	14.8	4		13.8
	REL.HLF.	PERCENT																							
	PERATURE	CEPPCINT	CEN 1 ICRADE																						
	-	A I R	CEGREES	-36.6	4.35-	3.75-	- 35 - 1	•	-36 • B	-37.6	138.5	J*5ê-	26.95-	- 38 ° F	1-35-	T-3E-	-36.6	•	138.4	•	•	•			5-15-
	PRESSURE		PILLIBARS	14.6	4	•	r,	6.1		.,		.,		<del>-</del>	•	11.4	<b>:</b>	0	•	0	•	0	•		•
	GECPETRIC	ALTITLEE	PST FEET	64500.0	0.03352	3.03335	6,60000	3.03.33	6.00075	67500.0	0°00385	3.03.35	0.00055	0.00355	166660.0	1005001	1010000	161500.0	167660.0	162500.0	(1)	162500.0	164660.0	164500.0	105000.0

MANGATCRY LEVELS 126CC40225 STALLICA

WSTM SITE CCORCINATES 403783.00 FEET E 701403.00 FEET N

STATICH ALTITUDE 4940.CC FEET MSL 6 MAY 7C 0645 FRS MDT ASCENSION NC. 225

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TABLE X

WINC CATA FERCENT TEMPERATURE AIR DEWPCIAT PRESSURE GEOPOTENTIAL

ILL IBARS	FEET	DEGREES	CENTIGRACE		CEGFEES(TN)	N) KNCTS
0	u.	•			48.	×ÿ•
000	ę	4	•		65.	4
50.	77		÷		97.	1.9
3	Ü	7.7	-8.2	31.	199.5	23.2
£0.	531		0		92.	-
90	177	•	6		- 56	(7)
50.	664	•	4		24.	0
ÇÇ.	300	2.	•		37.	(1)
£0.	166	5	-		47.	(1)
00	577	6.	7		42.	9
50.	392		•	O,	46.	•
90	112	1:	8		51.	;
50.	503	1.	8		50.	41
90	EL:	2.			60.	<b>a</b>
75.	173	•			56.	8
50.	3:3	4			44.	6
25	91 ÷	2			47.	7
00	366				53	7
ö	£ 1 £	2			46.	9
6	CE 37	•			35.	N
6	152	ö			48.	
ċ	111	ŗ,			72.	•
6	(4)	÷			17.	
•	838	51.				?
*	917	÷			8	<b>F</b> 1
6	721	•			8	•
15.0	53662.	-36.5			ë	-
6	388	9				

\*\* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

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DR-524			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)	<del></del>		
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18. ABSTRACT  Meteorological data gat	hered for th	e launchin	g of
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Meteorological data gat AF03702 Honest John, Missile	hered for th	e launchin	g of
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